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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | 09/413,758 |
| | | Filing Date | October 7, 1999 |
| | | First Named Inventor | Manolagas, et al. |
| | | Group Art Unit | 1633 1632 |
| | | Examiner Name | |
| | | Attorney Docket Number | 06572.105003 (ANA1002) |
| Sheet | 1 | | |

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| U.S. PATENT DOCUMENTS | | | | | | |
|------------------------|--------------------------|----------------------|--------------------------------------|--|--|---|
| Examiner Initials * | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| AMB | AA | 4,588,716 | | DeLuca et al. | 05-13-1986 | |
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| AMB | AF | 5,565,444 | | Mizushi, Y. et. al. | 10-15-1996 | |

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| Examiner Signature | Anne-Marie Baker | Date Considered | 3/18/02 |
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| AmB | BA | BELLIDO et al. "PTH Prevents Glucocorticoid Apoptosis of Osteoblasts and Osteocytes In Vitro: Direct Interference with a private Death Pathway Upstream of Caspase-3." Abstract. <i>Bone</i> . 5: S518: F458 (1998). | |
| | BB | DEMPSTER, D.W., "Exploiting and Bypassing the Bone Remodeling Cycle to Optimize the Treatment of Osteoporosis," <i>Journal of Bone and Mineral Research</i> . 12(8):1152-1154 (1997). | |
| | BC | FERRETTI, J.L. et al. "Perspectives on Osteoporosis Research: Its Focus and Some Insights from a New Paradigm." <i>Calcif. Tissue Int</i> . 57:399 (1995). | |
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| | BF | HUGHES, D.E. et al. "Apoptosis in Bone Physiology and Disease." MP. <i>Molecular Pathology</i> , BMJ Publishing Group, Vol. 50: 132-137 (1997) London, GB. | |
| | BG | HUGHES, D.E. et al., "Bisphosphonates Promote Apoptosis in Murine Osteoclasts In Vitro and In Vivo," <i>Journal of Bone and Mineral Research</i> . Vol. 10(10):1478-1487 (October 1995). | |
| | BH | IIDA-KLEIN, A. et al., "Effects of Calcitonin on 3', 5'-Cyclic Adenosine Monophosphate and Calcium Second Messenger Generation and Osteoblast Function in UMR 106-06 Osteoblast-Like Cells," <i>Endocrinology</i> . 130(1):381-388 (1992). | |
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| | BJ | JILKA, R.L. et al., "Increased bone formation by prevention of osteoblast apoptosis with parathyroid hormone," <i>Journal of Clinical Investigation</i> . Vol. 104(4):439-446 (August 1999). | |
| AmB | BK ² | JILKA, R.L. et al., "Osteoblast Programmed Cell Death (Apoptosis): Modulation by Growth Factors and Cytokines," <i>Journal of Bone and Mineral Research</i> . Vol. 13(5):793-802 (1998). | |

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| amb | CA | KAMEDA, T. et al., "Estrogen Inhibits Bone Resorption by Directly Inducing Apoptosis of the Bone-resorbing Osteoclasts," <i>The Journal of Experimental Medicine</i> . Vol. 186(3):489-495 (August 4, 1997). | |
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| | CF | MANOLAGAS et al. "New Developments in the pathogenesis and treatment of steroid-induced osteoporosis." <i>Journal of Bone and Mineral Research</i> . Vol. 14(7):1061-1066 (1999). | |
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| | CI | NISHIKAWA, M. et al., "Bisphosphonates Act on Osteoblastic Cells and Inhibit Osteoclast Formation in Mouse Marrow Cultures," <i>Bone</i> . Vol. 18(1):9-14 (January 1996). | |
| | CJ | PARFITT, A.M., "Bone-Forming Cells in Clinical Conditions In: Bone Vol. 1 The osteoblast and osteocyte." 351-429 (1996) CRC Press, Boca Raton. | |
| | CK | PLOTKIN, L.I. et al., "Bisphosphonates Prevent Glucocorticoid-Induced Apoptosis of Osteocytes In Vitro: a Putative Mechanism Influencing Mechanosensing," <i>Bone</i> . 23:S157 (1998). | |
| amb | CL | PLOTKIN, L.I. et al. "Prevention of osteocyte and osteoblast apoptosis by bisphosphonates and calcitonin," <i>Journal of Clinical Investigation</i> . Vol. 104(10):1363-1374 (November 1999). | |

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| amb | DA | POMPEIANO, M. et al. "Onset of apoptotic DNA fragmentation can precede cell elimination by days in the small intestinal villus." <i>Cell Death and Differentiation</i> . Vol. 5:702-709 (1998). | |
| | DB | REEVE, J. et al. "Anabolic Effect of Low Doses of a Fragment of Human Parathyroid Hormone on the Skeleton in Postmenopausal Osteoporosis." <i>The Lancet</i> . 1035-1038 (May 15, 1976). | |
| | DC | SAHNI, M. et al. "Bisphosphonates act on rat bone resorption through the mediation of osteoblasts." <i>Journal of Clinical Investigation</i> . Vol. 91:2004-2011 (May 1993). | |
| | DD | SHORT, B.G. et al. "Automated Double Labeling of Proliferation and Apoptosis in Glutathione S-transferase-positive Hepatocytes in Rats." <i>Journal of Histochemistry & Cytochemistry</i> . Vol. 45(9): 1299-1305 (1997). | |
| | DE | VERBEIJEN, M.H. et al. "Parathyroid hormone activates mitogen-activated protein kinase via cAMP-mediated pathway independent of Ras." <i>Journal of Biological Chemistry</i> . Vol. 272(6):3423-3429 (February 7, 1997). | |
| amb | DF ² | WEINSTEIN, R.S. et al., "The Effects of Androgen Deficiency on Murine Bone Remodeling and Bone Mineral Density are Mediated via Cells of the Osteoblastic Lineage," <i>Endocrinology</i> . Vol. 138(9): 4013-4021 (1997). | |

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